Zebra® R2844-Z™

Fulfilling the need for a compact RFID printing solution that can encode smart labels at the point of use, the R2844-Z printer/encoder is one of the most versatile in the industry!

RFID from your desktop

- It offers the widest range of supported 13.56MHz RFID transponders, including Philips' I-Code®, Philips' EPC, TI's Tag-it®, Inside Technologies' PicoTag®, and ISO 15693 from Philips, Infineon, and Texas Instruments.

- Transponder sizes can range from 12 x 28mm to 90 x 130mm.

- Designed for printing and encoding smart media such as wristbands and smart labels, the R2844-Z has a powerful processor and connectivity choices of standard serial, parallel, and USB ports, and optional internal Ethernet.

KEY FEATURES

- Robust
- 32-bit microprocessor for fast label-processing
- Print speeds of up to 102mm per second
- OpenACCESS® design
- Clear media window for easy media monitoring

IDEAL FOR:

✔ Healthcare/pharmaceutical

✔ Amusement parks/ entertainment venues

✔ Libraries

✔ Express parcel offices

Get the most out of your Zebra, put Genuine Zebra Supplies™ in!

Zebra offers a wide range of supplies for desktop printers, all made to a high standard and suitable for a variety of applications.

- Manufactured exclusively for Zebra printers • Laboratory-tested for optimum performance
- Proven to minimise wear and tear on printheads

▶ **For more information, visit www.zebra.com**

STANDARD FEATURES

- RFID smart label printing and encoding
- Direct thermal and thermal transfer printing of bar codes, text and graphics
- OpenACCESS® design for easy media loading
- Double-walled ABS case construction
- Fully enclosed 127mm (5.0") media compartment
- 32-bit RISC processor
- Zebra E3® Printhead Energy Control
- Auto-calibration
- Auto-switching 120V and 240V power supply
- Head-up sensor
- ZebraNet™ Bridge
- ZPL II® - universal language for Zebra Printers – ZBI™ – programming language interpreter for translation of foreign data streams

PRINTER SPECIFICATIONS

Resolution
- 8 dots per mm (203 dpi)

Memory
- 8MB SDRAM (4MB available for user); 4MB flash (2.75 available to user)

Maximum Print Area
- Width: 104mm (4.09")
- Length: 990mm (39")

Maximum Print Speed
- 102mm (4") per second

Physical Characteristics
- Width: 201mm (7.9")
- Depth: 248mm (9.75")
- Height: 172mm (6.8")
- Weight: 1.4kg (3.2lb)

Media Specifications
- Label and liner width: 25.4mm (1") to 108mm (4.25")

MEDIA CHARACTERISTICS

Smart Labels

Maximum label and liner length
- 990mm (39")

Maximum label and liner width
- 108mm (4.25")

Maximum roll diameter
- 127mm (5") O.D. on a 25.4mm (1") I.D. core

Core diameter
- 25.4mm (1") to 38mm (1.5)"
- Using media adapter plates (included): 50.8mm (2"), 63.5mm (2.5"), 76.2mm (3")

Media thickness
- 0.08mm (0.003") to 0.19mm (0.0075")

Media types
- Roll-fed or fanfold, die cut or continuous direct thermal labels with or without black mark, tag stock
  For optimum print quality and performance, use genuine Zebra supplies.

Ribbon Characteristics

Outside diameter
- 35mm (1.36")

Standard length
- 74m (244') using 0.00833mm (0.000328") ribbon thickness

Width
- 33mm (1.30") to 110mm (4.30")

Ribbon setup
- Ribbon wound ink-side out

Core I.D.
- 13mm (0.5")

OPERATING CHARACTERISTICS

Environment
- Operating Temperature 5ºC/40ºF to 41ºC/105ºF
- Storage Temperature -40ºC/-40ºF to 60ºC/140ºF
- Operating Humidity 10% to 90% non-condensing
- Storage Humidity 5% to 95% non-condensing

Electrical
- Auto-detectable (PFC-compliant) 100-240VAC; 50-60Hz

Communications and Interface Capabilities
- Centronics® parallel (36 pin) connector ports
- RS-232 serial interface
- USB v1.1

Agency Approvals
- Emissions: FCC Part 15, Subpart C, C-Tick
- Emissions and Susceptibility: (CE): ETSI 300 330-2, ETSI EN301-489-3, EN55022 Class-B, EN61000-3-2, EN61000-3-3 and EN55024
- Safety: CB Scheme IEC 60950:1991 +A1 +A2 +A3 +A4, UL 60950 and C-UL

ZEBRALINK™ SOLUTIONS

Software
- ZebraDesigner™ Pro
- ZebraNet™ Bridge Enterprise
- ZebraNet Utilities® v 7.0
- Zebra Universal Driver

Networking
- ZebraNet PrintServer II (external)

Firmware

- *ZPL II®* – Universal language for Zebra printers. Simplifies label formatting and enables format compatibility with other Zebra printers.
- *Web View* – Enables you to connect and control your bar code printer's Web interface using a common Web browser.
- *Alert* – Printers equipped with ZebraNet print servers will notify you via any email-enabled, wired, or wireless device to minimize downtime.

FONTS/GRAPHICS/SYMBOLOGIES

Fonts and character sets
- Standard Fonts: 16 bitmapped, 1 smooth-scalable (CG Triumvirate™ Bold Condensed)
- Supports user-defined fonts
- IBM Code Page 850 International Characters

Graphic features
- Supports user-defined graphics – including custom logos

Bar code symbologies
- Linear Bar Codes: Codabar, Code 11, Code 39,
- Code 93, Code 128, UPC-A, UPC-E, EAN-8, EAN-13, EAN-14, Industrial 2-of-5, Interleaved 2-of-5, Logmars, MSI, Plessey, Postnet, Standard 2-of-5, UPC-A and UPC-E with EAN 2 or 5 digit extensions
- 2-Dimensional: Codablock, Code 49, Data Matrix, MaxiCode, MicroPDF417, PDF417, PlanetCode, QR Code, RSS, TLC 39

OPTIONS AND ACCESSORIES

- Dispenser – Label peel and present with label taken sensor
- ZebraNet Print Server II (internal and external)

Thinking about mobilising your workforce?

The use of mobile printers in a warehouse or supply-chain environment improves productivity and provides a fast return on investment.

▶ To find out how your business could benefit from a Zebra mobile-printing solution, please visit **www.zebra.com,** call **+44 (0)1494 472872** or e-mail **mseurope@zebra.com**

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